

**CHARLES COUNTY DEPARTMENT OF HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
PO BOX 1050  
WHITE PLAINS, MARYLAND 20695  
Phone 301-609-6751 Fax 301-609-6684**

**BAY RESTORATION FUND GRANT APPLICATION CHECKLIST- FY23  
New Construction is no longer being funded- Failing systems only**

Applicant Name: \_\_\_\_\_ Property ID# \_\_\_\_\_

Phone Number: \_\_\_\_\_ Date Package submitted: \_\_\_\_\_

Address: \_\_\_\_\_

The items below are needed before an agreement letter can be written. Please submit them together as soon as possible as **one package**.

- BRF Application
- Bid from a BAT manufacturer
- Federal Tax return to verify income (Submit first 2 pages of Federal Tax return)
- Site Plan. (**Hand-drawn site plans acceptable for repairs only. Site plan must show well and septic tanks within 100 feet of property**)
- For a site with a failing drain field, the following must be acquired first and then submitted with this package
  - Septic Permit (If a septic permit hasn't been issued, **DO NOT** submit this package until a permit is issued)

❖ **For BAT connections only, before an agreement letter can be written a review of the property file will be completed to ensure that there is a septic system to be connected to. If septic information isn't in the file then the system will need to be uncovered. The depth of gravel measured and where the water table is to ensure the required separation is present.**

Once all of the above have been submitted an agreement letter may be issued.

- Agreement signed & stamped by Land Records and returned to the Health Dept.

Once everything above has been submitted a permit **may** be issued.

- Permit issued by Health Dept is good for **60 days only**. **The BAT tank must be installed and be inspected by Planckek within 60 days of the permit being issued. This also applies to Sandmounds and I&A systems.** Funding is use it or lose it.

Once the tank is installed and the electrical has been inspected by Planckek, an inspection will be done by the Health Dept.

- Copy of electrical inspection from Planckek

The following will need to be submitted to the Health Department after the tank has been installed.

- Letter from homeowner stating satisfactory install of tank
- Statement from distributor/Certificate of Insurance
- BAT Invoice (with the complete address on it)

**PLEASE KEEP THIS OR MAKE A COPY FOR YOUR RECORDS**

**CHARLES COUNTY DEPARTMENT OF HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
4545 CRAIN HIGHWAY, PO BOX 1050  
WHITE PLAINS, MARYLAND 20695**

**BAY RESTORATION GRANT APPLICATION  
NITROGEN-REDUCING PRETREATMENT UNIT**

**This application is designed to aid in determining your eligibility. Submit completed applications to the address above. Please note if you are issued a BRF permit it will be valid for 60 days past the date of issuance.**

| <u><b>BUILDING</b></u>   | <u><b>TYPE</b></u>   | <u><b>BAT Funding Eligibility for Type of Property</b></u>   | <u><b>WATER SUPPLY</b></u>  |
|--|--|--|---|
| A: <input type="checkbox"/> Existing Home:<br>B: <input type="checkbox"/> Existing Business<br>C: <input type="checkbox"/> Existing Non-profit | <input type="checkbox"/> Repair<br><input type="checkbox"/> Upgrade<br><input type="checkbox"/> Other<br><br>_____ | <input type="checkbox"/> A: 100% BAT cost, if <b>Income &lt; \$300K</b><br>(Check Total Income line from 1040)<br><b>50% BAT cost, if Income &gt;300K</b><br><input type="checkbox"/> B: 50% of BAT cost (up to \$10,000)<br>75% of BAT cost (up to \$15,000) ( <b>Must be registered with the state's Small Business Reserve Program</b> )<br><input type="checkbox"/> C: 100% of BAT cost (keep copy of non-profit status in file) | <input type="checkbox"/> Existing Water Tag #<br><br>CH- _____<br><br><input type="checkbox"/> Public Water |
| <b>If income is more than \$300,000 only 50% of the BAT cost is eligible for BRF Funding</b>   |  |  |   |

1. OWNER \_\_\_\_\_ ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_  
PHONE NUMBER (HOME) \_\_\_\_\_ WORK \_\_\_\_\_  
EMAIL ADDRESS: (Communication regarding BRF only) \_\_\_\_\_  
SOCIAL SECURITY NUMBER # (Required For Payment Purposes) \_\_\_\_\_
2. BUILDING ADDRESS \_\_\_\_\_  
(House Number, Street, City)
3. PROPERTY TAX ACCOUNT NUMBER \_\_\_\_\_
4. SUBDIVISION \_\_\_\_\_ LOT NUMBER \_\_\_\_\_ TAX MAP \_\_\_\_\_ PARCEL \_\_\_\_\_

**\*\* DESCRIBE ANY PROBLEMS WITH YOUR EXISTING SYSTEM \*\* i.e. (Tank Failure, Drainfield failing, etc)**

5. LOT LOCATED WITHIN CHESAPEAKE BAY CRITICAL AREA: YES \_\_\_\_\_ NO \_\_\_\_\_ UNKNOWN \_\_\_\_\_
6. NUMBER OF BEDROOMS: \_\_\_\_\_

NAME, MAILING ADDRESS AND PHONE NUMBER OF APPLICANT:

**ATTACH A SITE PLAN SHOWING THE SIZE AND SHAPE OF THE PROPERTY, HOUSE LOCATION, WELL AND SEPTIC SYSTEM ON THE PROPERTY.**

*The applicant hereby certifies and agrees that:*

(1) the applicant is authorized to make the application; (2) the information is correct; (3) the applicant will comply with all regulations of Charles County which are applicable hereto; (4) the applicant will perform no work on the above property not specifically described in this application; (5) The applicant will ensure that the BAT tank will be installed and have the final electrical inspection by Planchek completed within 60 days of the BRF permit being issued, (6) the applicant grants County officials and approved contractors the right to enter onto the property for the purpose of inspecting the work permitted, posting notices, and performing maintenance and sampling.

SIGNED \_\_\_\_\_ DATE \_\_\_\_\_

# Instructions for Completing the Bay Restoration Grant Application for a Nitrogen-Reducing Pretreatment Unit

The following are instructions for completing an application to upgrade existing septic systems with nitrogen reducing pretreatment units. The information listed below corresponds to the items listed on the Bay Restoration Grant Application.

- Building: Indicate the type of building on the property.
- Type: Indicate the type of septic system project for the property.
- Water Supply: Indicate the type of water supply on the property.

Item 1: List the property owner's name and mailing address including the street address, city, state, and zip code. Also include the home and work telephone numbers for the property owner.

Item 2: List the building address of the property, including the house number, street name, and city.

Item 3: Transfer the 12-digit tax account number from the corresponding County property tax bill.

## 1) Applicant Information:

Applicant must sign the application and agree to the terms of the application. Provide name, mailing address and phone number of the applicant in the box provided.

## 2) Site Plan:

Submit a site plan showing the size and shape of the property, house location, well and septic system on the property, property lines, rights of way, easements, and existing improvements such as decks, garages, sheds and swimming pools.

## 3) Federal Tax return:

A copy of the previous year's **federal** tax return. **First 2 pages only of federal tax return.**

## 4) Bid:

A bid from a B.A.T tank manufacturer is required. Owner will present to the County their BAT System of choice from the Fixed Pre-Approved Vendor list. Operating costs will be at the Owner's expense.

**Application package is not complete until all of the above requests have been met. Once all requests are met a BRF agreement will be typed for pick-up and taken to land records for recording. Only after the agreement is brought back to the office recorded will a permit be typed. This permit will only be valid for 60 days past the date of issuance. The BAT will need to be installed and have a final electrical inspection by Planchek during that 60 day period.**

### For More Information Contact:

Latoya Reeder  
301-609-6751  
Well & Septic Program  
[Latoya.reeder1@maryland.gov](mailto:Latoya.reeder1@maryland.gov)

### Mail Application To:

Charles County Department of Health  
Environmental Health Services  
4545 Crain Highway  
P.O. Box 1050  
White Plains, MD 20695

**BATs eligible for Bay Restoration Fund grant program – 3 pages**

The following technologies have successfully completed field verification (BAT Class I) Page 1 of 3

| <b>Model</b>                | <b>Contact Information</b>   | <b>Certifications</b>   | <b>MDE Field Performance Analysis for Total Nitrogen</b>   |
|-----------------------------|--|---|--|
| <b>Fuji Clean CN-Series</b> | <p align="center"><b>Manufacturer</b></p> <p align="center">Fuji Clean USA<br/>www.fujicleanusa.com</p> <p align="center"><b>Local Distributor</b></p> <p align="center">Bay Area Environmental<br/>Don Jones – (410) 836-9206<br/>manager@jonespumpservice.com</p>  | <p align="center">NSF 245</p> <p align="center">And other</p> | <p align="center">Mean % Reduction of TN:<br/><br/>77%</p> <p align="center">Mean Effluent Concentration:<br/><br/>14.1 mg/l</p> <p align="center">Data &amp; Analysis</p> |
| <b>Advantex®-RT</b>         | <p align="center"><b>Manufacturer</b></p> <p align="center">Orenco Systems®, Inc.<br/>www.orenco.com/</p> <p align="center"><b>Local Distributor</b></p> <p align="center">Atlantic Solutions<br/>Bob Johnson- 1(877)214-9283<br/>bjohnson@septicssystems.net</p>  | <p align="center">Other<br/>3rd Party</p>                     | <p align="center">Mean % Reduction of TN:<br/>76%</p> <p align="center">Mean Effluent Concentration:<br/>14.5 mg/l</p> <p align="center">Data &amp; Analysis</p>           |
| <b>Advantex®-AX20</b>       | <p align="center"><b>Manufacturer</b></p> <p align="center">Orenco Systems®, Inc.<br/>www.orenco.com/</p> <p align="center"><b>Local Distributor</b></p> <p align="center">Atlantic Solutions<br/>Bob Johnson- 1(877)214-9283<br/>bjohnson@septicssystems.net</p>  | <p align="center">Other<br/>3rd Party</p>                     | <p align="center">Mean % Reduction of TN:<br/>71%</p> <p align="center">Mean Effluent Concentration:<br/>17.2 mg/l</p> <p align="center">Data &amp; Analysis</p>           |
| <b>SeptiTech®</b>           | <p align="center"><b>Manufacturer</b></p> <p align="center">SeptiTech, Inc.<br/>www.septitech.com</p> <p align="center"><b>Local Distributors</b></p> <p align="center"><b>Eastern Region</b></p> <p align="center">Gillespie &amp; Sons Inc.<br/>Jim Gillespie - (410) 778-0900<br/>jimg@gillespieandson.com</p> <p align="center"><b>Central Region</b></p> <p align="center">Bay Area Environmental<br/>Don Jones - (410) 836-9206<br/>manager@jonespumpservice.com</p> | <p align="center">ETV<br/>and<br/>NSF 245</p>                 | <p align="center">Mean % Reduction of TN:<br/>67%</p> <p align="center">Mean Effluent Concentration:<br/>19.7 mg/l</p> <p align="center">Data &amp; Analysis</p>           |

|   |   |                        |  |
|---|---|------------------------|--|
| <p><b>Hydro-Action® - AN Series</b></p> | <p><b>Manufacturer</b><br/>Hydro-Action/AK Industries Inc..<br/>www.hydro-action.com</p> <p><b>Regional Distributor</b><br/>Blue Water Environmental, LLC<br/>Mark O'Rourke - (240) 444-6401<br/>mark@bwenvironmental.com.</p> <p><b>Local Distributors</b><br/><b>Central-Eastern Region</b><br/>Sample Excavating Co. Inc.<br/>Mike Sample - (443) 807-8639<br/>sample415@yahoo.com</p> <p><b>Southern Region</b><br/>Outback Porta-Jon, Inc.<br/>Steve Wilson- (410) 257-1600<br/>wilson05@comcast.net</p> | <p>NSF 245</p>         | <p>Mean % Reduction of TN:<br/><br/>66%</p> <p>Mean Effluent Concentration:<br/><br/>20.3 mg/l</p> <p>Data &amp; Analysis</p>  |
| <p><b>Hoot® BNR</b></p>                 | <p><b>Manufacturer</b><br/>Hoot Aerobic Systems, Inc.<br/>www.hootsystems.com</p> <p><b>Local Distributor</b><br/>Mayer Bros.<br/>Nancy Mayer- (410) 796-1434<br/>nancy@mayerprecast.com</p>  | <p>Other 3rd Party</p> | <p>Mean % Reduction of TN:<br/>64%</p> <p>Mean Effluent Concentration:<br/>21.4 mg/l</p> <p>Data &amp; Analysis</p>  |
| <p><b>RetroFAST</b></p>                 | <p><b>Manufacturer</b><br/>Bio-Microbics, Inc.<br/>http://www.biomicrobics.com</p> <p><b>Local Distributors</b><br/><b>Eastern Region</b><br/>Gillespie &amp; Sons, Inc.<br/>Jim Gillespie- (410) 778-0900<br/>jim@gillespieandson.com</p> <p><b>Central Region</b><br/>Bay Area Environmental<br/>Don Jones - (410) 836-9206<br/>manager@jonespumpservice.com</p>  | <p>ETV</p>             | <p>Mean % Reduction of TN:<br/>58%</p> <p>Mean Effluent Concentration:<br/>25.4 mg/l</p> <p>Data &amp; Analysis</p> <p>Limited to households of 1 to 4 occupants and 3 bedroom or less</p> |

|  |  |                                    |   |
|--|--|------------------------------------|---|
| <p><b>Singular TNT &amp; Singular Green (plastic tank)</b></p> | <p><b>Manufacturer</b><br/>Norweco, Inc.<br/>www.norweco.com</p> <p><b>Local Distributors</b><br/><b>Eastern Shore</b><br/>Towers Concrete Products<br/>Jeffrey Powell (800) 773-9128<br/>btowers62@gmail.com</p> <p><b>Southern Region</b><br/><b>Superior Tank</b><br/>Jeff Earnshaw- (301) 274-3772<br/>superiortanknorweco@gmail.com</p> <p><b>Western Region</b><br/><b>C.R. Semler</b><br/>Charlie Semler- (301) 824-2780<br/>crsemmler@crsemmler.com</p> <p><b>Western Region</b><br/><b>Garrett &amp; Allegany Co.</b><br/>Pile's Concrete Products Co. Inc.<br/>Brett Zimmerman (814)445-6619<br/>brett_zimmerman@hotmail.com</p> <p><b>Central Region</b><br/><b>Back River Pre-Cast LLC</b><br/>Matt Geckle- (410) 833-3394</p> | <p>Other 3rd Party and NSF 245</p> | <p>Mean % Reduction of TN:<br/>55%</p> <p>Mean Effluent Concentration:<br/>27 mg/l</p> <p>Data &amp; Analysis</p>   |
| <p><b>AquaKlear</b></p>  | <p><b>Manufacturer</b><br/>AquaKlear<br/>http://www.aquaklear.net/</p> <p><b>Local Distributor</b><br/>Care Utilities<br/>Dave Care (410) 977-3453<br/>careless32@comcast.net</p>  | <p>Other 3rd Party and NSF 245</p> | <p>Mean % Reduction of TN:<br/>54%</p> <p>Mean Effluent Concentration:<br/>27.5 mg/l</p> <p>Data &amp; Analysis</p> |

## **Certified Service Providers – Statewide and Southern MD Only**

### **AquaKlear model:**

|                   |                                 |              |
|-------------------|---------------------------------|--------------|
| <b>Statewide:</b> | BayStar Precast Corp.:          | 410-977-3453 |
|                   | Dwayne C Jones Contracting Inc: | 410-836-9206 |

### **Bio-Microbics MicroFAST and RetroFAST models:**

|                   |                                   |              |
|-------------------|-----------------------------------|--------------|
| <b>Statewide:</b> | BAT Onsite LLC:                   | 301-829-9047 |
|                   | Dwayne C Jones Contracting Inc:   | 410-836-9206 |
|                   | Hydro-Terra Group                 | 410-861-5376 |
|                   | Raymond Harrison Septic Services: | 410-778-4806 |

### **FUJI model:**

|                   |   |               |
|-------------------|---|---------------|
| <b>Statewide:</b> | Bay Area Environmental/Dwayne C Jones Contracting | 410- 836-9206 |
|-------------------|---|---------------|

### **HOOT BNR and ANR models:**

|                   |                 |              |
|-------------------|-----------------|--------------|
| <b>Statewide:</b> | BAT Onsite LLC: | 301-829-9047 |
|                   | O.S.I.S. LLC:   | 410-796-1434 |

|                                   |               |              |
|-----------------------------------|---------------|--------------|
| <b>Western &amp; Southern MD:</b> | O.S.I.S. LLC: | 410-796-1434 |
|-----------------------------------|---------------|--------------|

### **Hydro-Action AN Series model:**

|                   |                           |              |
|-------------------|---------------------------|--------------|
| <b>Statewide:</b> | O.S.I.S. LLC:             | 410-796-1434 |
|                   | Outback Porta Jon:        | 410-257-1600 |
|                   | Sample Excavating Co Inc: | 443-807-8639 |

### **Orenco Advantex AX20 and AX20RT models:**

|                   |                     |                |
|-------------------|---------------------|----------------|
| <b>Statewide:</b> | Atlantic Solutions: | 1-877-214-9283 |
|                   | BAT Onsite LLC:     | 301-829-9047   |

|                     |                                 |              |
|---------------------|---------------------------------|--------------|
| <b>Southern MD:</b> | Dwayne C Jones Contracting Inc: | 410-836-9206 |
|                     | Outback Porta Jon:              | 410-257-1600 |

### **SeptiTech M400 models:**

|                   |                 |              |
|-------------------|-----------------|--------------|
| <b>Statewide:</b> | BAT Onsite LLC: | 301-829-9047 |
|-------------------|-----------------|--------------|

|                                   |                                 |              |
|-----------------------------------|---------------------------------|--------------|
| <b>Western &amp; Southern MD:</b> | Dwayne C Jones Contracting Inc: | 410-836-9206 |
|-----------------------------------|---------------------------------|--------------|

### **Norweco Singulair TNT & Green models:**

|                   |                 |              |
|-------------------|-----------------|--------------|
| <b>Statewide:</b> | BAT Onsite LLC: | 301-829-9047 |
|-------------------|-----------------|--------------|

|                     |                                 |              |
|---------------------|---------------------------------|--------------|
| <b>Southern MD:</b> | Dwayne C Jones Contracting Inc: | 410-836-9206 |
|                     | Superior Septic Tank:           | 301-274-3772 |

If you have a unit not included on this list, or you do not know which type of unit you have, please contact the MDE On-site Systems Division for more information at 410-537-3599.

## BAY RESTORATION FUND RANKING DOCUMENTATION July 1, 2019

| VENDOR IN ASCENDING ORDER | COST OF PURCHASE, INSTALLATION AND 2 YEAR OPERATION MAINTENANCE | VERIFIED BY |
|---------------------------|---|-------------|
| Singular TNT              | \$11,337  | Vendor      |
| Singular Green            | \$11,337  | Vendor      |
| AquaKlear AK8S245         | \$12,018  | Vendor      |
| BioMicrobics RetroFast**  | \$12,688  | Vendor      |
| Fuji Clean CEN 5          | \$13,518  | Vendor      |
| Hydro Action AN series    | \$14,303  | Vendor      |
| Hoot BNR                  | \$14,518  | Vendor      |
| Fuji Clean CEN 7          | \$15,010  | Vendor      |
| SeptiTech M400D           | \$15,211  | Vendor      |
| AdvanTex AX20             | \$16,083  | Vendor      |
| Advantex AX20RT           | \$17,414  | Vendor      |

All prices are Estimate Averages across Maryland and subject to change per county, contact Manufacturer.

The BRF Program no longer funds the non field verified systems for installation.

Price does not include electrical costs per year.

\*\* RetroFast unit limited to households of 1-4 occupants with 3 bedrooms or less. Price includes use of new tank. For use of existing tank, manufacturer must certify tank suitable and watertight.

| VENDOR IN DESCENDING ORDER | MEAN % REDUCTION TN (Using 60mg/L influent) | MEAN EFFLUENT CONCENTRATION | VERIFIED BY |
|----------------------------|---|-----------------------------|-------------|
| Fuji Clean CEN 5           | 77%   | 14.1 mg/L                   | MDE         |
| Fuji Clean CEN 7           | 77%   | 14.1 mg/L                   | MDE         |
| Advantex AX20RT            | 76%   | 14.5 mg/L                   | MDE         |
| AdvanTex AX20              | 71%   | 17 mg/L                     | MDE         |
| SeptiTech M400D            | 67%   | 20 mg/L                     | MDE         |
| Hydro Action AN series     | 66%   | 20.3 mg/L                   | MDE         |
| Hoot BNR                   | 64%   | 21 mg/L                     | MDE         |
| BioMicrobics RetroFast**   | 58%   | 25.4 mg/L                   | MDE         |
| Singular Green             | 55%   | 27 mg/L                     | MDE         |
| Singular TNT               | 55%   | 27 mg/L                     | MDE         |
| AquaKlear AK8S245          | 54%   | 27.5 mg/L                   | MDE         |

As the data for non-field verified systems is incomplete, MDE has classified the % reduction of TN and the Price per Pound of N Reduced for non-field verified systems as Deliberative Data.

\*\* RetroFast unit limited to households of 1-4 occupants with 3 bedrooms or less.

| VENDOR IN ASCENDING ORDER | PRICE PER POUND OF N REDUCED | VERIFIED BY |
|---------------------------|------------------------------|-------------|
| Fuji Clean CEN 5          | \$75.52                      | MDE         |
| Fuji Clean CEN 7          | \$85.00                      | MDE         |
| AquaKlear AK8S245         | \$94.68                      | MDE         |
| AdvanTex AX20             | \$94.84                      | MDE         |
| Singular TNT              | \$95.01                      | MDE         |
| Singular Green            | \$95.01                      | MDE         |
| Hydro Action AN series    | \$95.51                      | MDE         |
| Advantex AX20RT           | \$95.81                      | MDE         |
| Hoot BNR                  | \$100.16                     | MDE         |
| BioMicrobics RetroFast**  | \$103.86                     | MDE         |
| SeptiTech M400D           | \$108.31                     | MDE         |

Price per pound of N reduced equals [(Price of technology plus (increased electrical costs multiplied by Ten))divided by Ten] divided by (24.32 lbs of N per year multiplied by percent reduction of N by system)

As the data for non field verified systems is incomplete, MDE has classified the % reduction of TN and the Price per Pound of N Reduced for non field verified systems as Deliberative Data.

\*\* RetroFast unit limited to households of 1-4 occupants with 3 bedrooms or less.

| VENDOR IN ASCENDING ORDER | OPERATION AND MAINTENANCE PER YEAR AFTER THE 2 YEAR CONTRACT | MINIMUM NUMBER OF SITE VISITS PER YEAR* | VERIFIED BY |
|---------------------------|--|---|-------------|
| AdvanTex AX20             | \$175.00   | 1                                       | Vendor      |
| Advantex AX20RT           | \$175.00   | 2                                       | Vendor      |
| Fuji Clean CEN 5          | \$185.00   | 2                                       | Vendor      |
| Fuji Clean CEN 7          | \$185.00   | 2                                       | Vendor      |
| AquaKlear AK8S245         | \$250.00   | 1                                       | Vendor      |
| BioMicrobics RetroFast**  | \$275.00   | 1                                       | Vendor      |
| SeptiTech M400D           | \$275.00   | 1                                       | Vendor      |
| Hoot BNR                  | \$300.00   | 1                                       | Vendor      |
| Singular TNT              | \$300.00   | 2                                       | Vendor      |
| Singular Green            | \$300.00   | 2                                       | Vendor      |
| Hydro Action AN series    | \$300.00   | 2                                       | Vendor      |

All prices are estimates and based on the 2-yr O&M BAT bid submitted to the State. Some prices have been rounded.

Prices are subject to change and may vary based on location. Contact manufacturer for O&M price details.

\* Based off manufacturer-required service visits per year

**Additional Charges may apply with certain manufacturers. It is the responsibility of the homeowner to contact the manufacturer for precise details of contract.**

| VENDOR IN ASCENDING ORDER | 1 YEAR ELECTRICAL CONSUMPTION (represented as kWh/year) | INCREASED ELECTRICAL COSTS PER YEAR ASSUMING \$0.14 PER kWh | VERIFIED BY       |
|---------------------------|---|---|-------------------|
| Advantex AX20RT           | 210.2 kWh/year  | \$29.43   | OSET NTP          |
| AdvanTex AX20             | 210.2 kWh/year  | \$29.43   | OSET NTP          |
| AquaKlear AK8S245         | 298.7 kWh/ year   | \$41.82   | Vendor            |
| Fuji Clean CEN 5          | 446.7 kWh/year  | \$62.54   | Manufacturer      |
| Fuji Clean CEN 7          | 648.2 kWh/year  | \$90.75   | Manufacturer      |
| Hydro Action AN series    | 734.26 kWh/year   | \$102.80  | Pump Manufacturer |
| Hoot BNR                  | 765.77 kWh/ year  | \$107.21  | NSF International |
| Singular TNT              | 979.66 kWh/ year  | \$137.15  | NAT Testing Lab   |
| Singular Green            | 979.66 kWh/year   | \$137.15  | NAT Testing Lab   |
| BioMicrobics RetroFast**  | 1401.6 kWh/year   | \$196.22  | Pump Manufacturer |
| SeptiTech M400D           | 1741.05 kWh/year  | \$243.75  | Vendor            |

\$0.14 is an assumed average kWh rate for Maryland 2019.

\*\* RetroFast unit limited to households of 1-4 occupants with 3 bedrooms or less.

HydroAction utilizes a mixer pump during start up. Pump use is discontinued after start up. Usage data will vary after start-up period.

For a list of vendors visit:  
[https://mde.maryland.gov/programs/Water/BayRestorationFund/OnsiteDisposalSystems/Documents/BAT\\_CLASS\\_1.pdf](https://mde.maryland.gov/programs/Water/BayRestorationFund/OnsiteDisposalSystems/Documents/BAT_CLASS_1.pdf)

Before selecting a technology for use on the property in question, please contact each vendor to verify the information is current and accurate. MDE is only a facilitator in presenting this information in accordance with HB347. MDE strongly advises that the applicant contact the vendor directly for more information.

Please contact the county Environmental Health Division for specific process on submitting an application

For a list of county contact information, 410-537-3599

Please contact the Maryland Department of the Environment for specific questions regarding becoming a Best Available Technology in Maryland.

For MDE contact information, 410-537-3599

RED Font = Technologies that have successfully completed Maryland's Bay Restoration Fund Field Verification process.